

ENFLEX VL-120-45D

ENFLEX-V



Product Description :	This polyolefin based thermoplastic elastomer (TPE-V) compound is a high performance, dynamically vulcanized EPDM/PP blend. ENFLEX® series are completely recyclable and can be processed with conventional thermoplastics machinery
Additive Packages :	T / Heat and UV stabilizer
Key Features :	Excellent ozone, UV and weathering resistance Low compression set and rubberlike elasticity in a wide temperature range Colorable with proper MB (PE, PP, etc. based)
Process Method :	Extrusion, coextrusion, blow molding, injection molding
Uses :	Automotive, construction, home appliances, wire&cable, industrial applications

	Value	Unit	Standard
Physical			
Hardness	45	SHORE D	ISO 868 (3 second)
Density	0,94	gr / cm3	ISO 1183 1-A
Brittleness Point	-45	°C	*
Mechanical			
100% Modulus	10,3	Mpa	ISO 37, DIN 53504
300% Modulus	11,2	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	19,6	Mpa	ISO 37, DIN 53504
Elongation at Break	720	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	123	kN/m	ISO 34-1
Thermal			
Max. Dynamic Service Temperature	125	°C	*
Max. Static Service Temperature	135	°C	*
Environmental Resistance			
Ozone	Excellent		
Water	Excellent		
Alcohol	Excellent		

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Olive Oil	Fair
Sulphuric Acid	Good
Detergent	Good

Drying Condition

Drying Time(hr)	2
Drying Temperature(°C)	80-90

Molding Condition (°C)

1st Zone (hopper)(°C)	170-180
2nd Zone(°C)	180-190
3rd Zone(°C)	190-200
Nozzle(°C)	200-210
Melt Temperature(°C)	210-220
Mold Temperature(°C)	10-50
Max Allowable Melt Temperature(°C)	250 C

Extrusion Condition (°C)

Feed Zone Temperature (°C)	170 - 190
Compression Zone Temperature (°C)	180 - 195
Melting Zone Temperature (°C)	195 - 205
Extruder Head Temperature (°C)	200 - 210
Die Temperature (°C)	200 - 220